

Abstract

A ball screw device includes a screw shaft having a spiral first screw groove on its outer periphery; a nut having a spiral second screw groove formed on the inner periphery corresponding to the first screw groove so as to be screw-engaged with the screw shaft and having a pair of circulating holes on the side; a plurality of rolling elements rollably mounted in a load region formed between the first and second screw grooves; and a circulating member of resin having a rolling-element circulating path formed therein which scoops up the rolling elements rolling along the load region from the one of the pair of circulating holes to be guided to the outside of the nut and returns the rolling elements from the other of the pair of circulating holes to the load region, and having both ends fit in the pair of circulating holes. The circulating member is made of resin and fixed onto the nut using a metallic holding member.